



IN THE CLAIMS

Cancel claims 1-21 and 35-54 without prejudice. Rewrite other claims as indicated below.

A3
2²⁵. The method of claim ~~22~~¹ wherein said half-tone diffraction pattern of dithered pixels comprises an array of pixels, each pixel of a clear or opaque type, said clear and opaque pixels for respectively passing and blocking incident light, wherein the number, size, and type of the pixels are chosen in accordance with:

- (a) the wavelength of light used to illuminate the photomask, and
- (b) the size and shape of the features of the photomask, for generating

a continuous illumination intensity pattern on the photomask with illumination intensity at any location controlled by the half-tone dithered image.

6²⁶. The method of claim ~~24~~³ wherein the intensity of each subpixel is defined by a recursion relationship where:

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$$D^n = \begin{vmatrix} 4D^{n/2} + D_{00}^2 U^{n/2} & 4D^{n/2} + D_{01}^2 U^{n/2} \\ 4D^{n/2} + D_{10}^2 U^{n/2} & 4D^{n/2} + D_{11}^2 U^{n/2} \end{vmatrix}$$

where:

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$$U^n = \begin{vmatrix} 1 & 1 & \dots & 1 \\ 1 & & & \\ \cdot & & & \\ \cdot & & & \\ \cdot & & & \\ 1 & & & \end{vmatrix}$$

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Cancel claim 29.

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